

Notice of Allowability	Application No.	Applicant(s)
	10/721,627	SUEKAWA ET AL.
	Examiner HUNG T. NGUYEN	Art Unit 2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 8/29/06.
2. The allowed claim(s) is/are 1,2,4-13,29,30 and 32-35.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

<ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material 	<ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____
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DISCUSSION OF THE PRIOR ART AND REASONS FOR ALLOWANCE
EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Plettner on 10/12/2006.

The application has been amended as follows:

Claim 4 depends on claim 1.

The following is an examiner's statement of reasons for allowance: in the examiner's opinion, the allowability of claims 1-2, 4-13, 29-30, 32-35 resides in the combination of elements which has been recited in independent claim 1.

Regarding claim 1-2, 4-6, 29: Hayashi (US 4,901,204) discloses in figure 12, a printed circuit assembly carrier comprising: a carrier frame (embodiment of figure 12), a first toolless retention (24) and a second toolless retention (58) feature coupled to a second surface of the carrier frame. Hayashi does not disclose the interior planar surface being the first surface coupled to the first toolless retention feature, the exterior planar surface being the second surface coupled to the second toolless retention feature. There would be no motivation to make this modification.

Regarding claim 7-13, 30, 32: Hayashi discloses in figure 12 an electronic device comprising: a housing (see abstract); first (73) and second (74) printed circuit assemblies of respective different first (73) and second (74) types adapted to couple to the housing (see abstract); first and second identical printed circuit assembly carriers (see figure 12 of board assembly carriers to hold boards 2, 4, 6) adapt to respectively couple to the first (73) and second (74) printed circuit assemblies to the housing (see abstract). Hayashi does not disclose the first printed circuit assembly carrier coupling the manageability printed circuit assembly to the hard disk drive printed circuit assembly in a first orientation. There would be no motivation to make this modification.

Regarding claim 33-35: Hayashi discloses first (73) and second (74) printed circuit board assemblies of respective different first (73) and second (74) types adapted to couple to the housing. Hayashi does not disclose the carrier coupling the manageability printed circuit assembly to the hard disk drive. There would be no motivation to make this modification.

Relevant Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Ruff (US 6831840) teaches the bracket assembly, Spychalla (US 2005/011249) teaches the data storage and Laub (US 5713744) teaches the integrate circuit socket, Ahern (US 6,578,101) teaches the duplex/simplex circuitry, Welin (US 6,975,629) teaches the processing packet, Kobayasi et al. (US 6,333,932) teaches the communication system.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUNG T. NGUYEN whose telephone number is 571-272-5983. The examiner can normally be reached on 8:00AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, REICHARD DEAN can be reached on 571-272-1984. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

HN

HUNG NGUYEN

10/12/2006

Dean A. Reichard 10/15/06
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